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**Composite Coated/Encapsulated Wood Products and Methods to Produce the Same**

**Abstract**

5           Composite coated wood products, and methods to produce such products, are described by embodiments of the invention. Composite layers may comprise polymer and fillers, such as organic fillers and inorganic fillers. The composite layers may also be foamed in some embodiments of the invention. Such composite coated wood products may be structural or non-structural pieces that may provide safe, economical, easy to manufacture  
10 construction products that may be utilized with wood composites, and other plastic composites. Such products may also promote uniformity of appearance in objects constructed with the composite coated wood products in a variety of applications.